

6. (Amended) An essentially purified polypeptide (SEQ ID NO: 13) having

02
neutrotrophic activity comprising

Lys Ala Asn Asp Phe Leu His Arg Gly Glu Tyr Ser Val Cys Asp
Ser Glu Glu His Trp Val Gly Asn Leu Thr Gln Ala Thr Asp Leu
Arg Gly Asn Glu Val Thr Val Leu Pro His Val Arg Ile Asn Asn
Val Val Lys Lys Gln Met Phe Tyr Glu Thr Thr Cys Arg Val Ser
Lys Ala Gly Thr Ser Ser Cys Arg Gly Ile Asp Asn Glu His Trp
Asn Ser Tyr Cys Thr Asn Val His Thr Phe Val Arg Ala Leu Thr
Ser Tyr Lys Asn Gln Ile Ala Trp Arg Phe Ile Arg Ile Asn Ala
Ala Cys Val Cys Val Leu Ser Arg Asn Ser Trp Arg His.

7. (Amended) A composition comprising an essentially purified neurotrophin
of carp NT-7 (SEQ ID NO: 13), having neurotrophic activity which comprises:

Lys Ala Asn Asp Phe Leu His Arg Gly Glu Tyr Ser Val Cys Asp
Ser Glu Glu His Trp Val Gly Asn Leu Thr Gln Ala Thr Asp Leu
Arg Gly Asn Glu Val Thr Val Leu Pro His Val Arg Ile Asn Asn
Val Val Lys Lys Gln Met Phe Tyr Glu Thr Thr Cys Arg Val Ser
Lys Ala Gly Thr Ser Ser Cys Arg Gly Ile Asp Asn Glu His Trp
Asn Ser Tyr Cys Thr Asn Val His Thr Phe Val Arg Ala Leu Thr
Ser Tyr Lys Asn Gln Ile Ala Trp Arg Phe Ile Arg Ile Asn Ala
Ala Cys Val Cys Val Leu Ser Arg Asn Ser Trp Arg His.